

OIML Member State
The Netherlands

Number R117/2007-A-NL1-21.05
Project number 2588755
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Issuing authority
Person responsible: NMi Certin B.V.
M. Boudewijns

Applicant and
Manufacturer Silea Liquid Transfer S.r.l
Via 1 Maggio 19
040064 Ozzano Emilia (BO)
Italy

Manufacturer name
or brand name Avery Hardoll

Identification of the
certified type **A measurement sensor**
Type: DM; BMxxx
(see table 1, where the description **xxx** is indicating the meter size).

Characteristics See page 2 and further

This OIML Certificate is issued under scheme A

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 117-1 (2007) "Dynamic measuring systems for liquids other than water"

Accuracy class 0,3 and 0,5

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
25 March 2021

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated report:

- No. NMI-1901792-01 dated 8 August 2018 that includes 66 pages.

Characteristics of the measuring instrument

In Table 1 and 2, the general characteristics of the measuring instrument are presented. The construction of the measuring instrument is recorded in the Documentation folder number TC12118-1.

The complete family of meter consists of one family (which are of similar construction) and have the following flow characteristics indicated in table 3.

Table 1 General characteristics of the family of instruments of type BMxx

Type	Accuracy Class	Flange size [inch]	Cyclic Volume [L]	Qmin [L/min]	Qmax [L/min]	MMQ [L]	Pmax [kPa]
BM250 (S)	0,3	2 ½" (DN 65)	2,27	115	1140	100	1034
BM950 (S)	0,3	3" (DN80)	2,27	115	1500	200	
BM450 (D)	0,3	3" (DN80)	4,54	200	2050	200	
BM550 (D)	0,3	4" (DN100)	4,54	220	2280	500	
BM350 (D)	0,3	4" (DN100)	4,54	125	2800	500	
BM650 (T)	0,3	4" (DN100)	6,81	300	3000	500	
BM850 (T)	0,3	6" (DN150)	6,81	200	4250	500	

Note to table 2:

S, D or T between brackets stands for respectively Single, Double or Triple Chamber configuration

Table 2 General characteristics of the family of instruments of type DMxx

Type	Accuracy Class	Flange size [inch]	Cyclic Volume [L]	Qmin [L/min]	Qmax [L/min]	MMQ [L]	Pmax [kPa]
DM (S)	0,3	4" (DN100)	5,75	200	2500	200	1034

Note to table 3:

(S) between brackets stands for Single Chamber configuration.

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Table 3 Further general characteristics of the meters

Environmental classes	M3
Ambient temperature range	-25 ... +55 °C
Product temperature range	-5 ... +35 °C
Intended for the measurement of	Hydrocarbon based oils (fuels), with maximum viscosity of 20 mPa·s at 20 °C